IDS #0904

OT15 Rec'd PCT/PTO ∠ 2 SEP 2004

PTO/SB/08A (08-03) Approved for use through 07/31/2008. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE Under the Paperwork Reduction Act of 1985, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Attorney Docket Number

Substitute for form 1449/PTO

Sheet 1

Application Number 09-22-2004

12079

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

of 3

(Use as many sheets as necessary)

Filing Date First Named Inventor Avto Tavkhelidze Art Unit 2826 **Examiner Name** Per

Complete if Known

			U. S. PATEN	DOCUMENTS	
Examiner Initials*	Cite No.1	Document Number Number-Kind Code ^{2 (J. known)}	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
EP.		^{US-} 3,740,592 A	06-19-1973	Engdahl et al.	
28		^{US-} 4,011,582 A	03-08-1977	Cline et al.	
20		^{US-} 4,063,965 A	12-20-1977	Cline et al.	
EP		^{US-} 5,336,547 A	08-09-1994	Kawakita et al.	
58		^{US-} 5,917,156 A	06-29-1999	Nobori et al.	
25		^{US-} 6,214,651 B1	04-10-2001	Cox	
20		^{US-} 6,225,205 B1	05-01-2001	Kinoshita	
2P		US- 2001/0046749 A1	11-29-2001	Tavkhelidze et al.	
28		^{US-} 6,417,060 B2	07-09-2002	Tavkhelidze et al.:	
20		^{US-} 5,722,242 A	03-03-1998	Edelson	
&		^{US-} 5,675,972 A	10-14-1997	Edelson	
E f		^{US-} 4,039,352 A	08-02-1977	Marinescu	
28		^{US-} 5,699,668 A	12-23-1997	Cox	
5.5		us- 2003/0068431 A1	04-10-2003	Taliashvili et al.	•
48		us- 6,117,344 A	09-12-2000	Cox et al.	
<u> </u>		^{US-} 5,503,963 A	04-02-1996	Hifano	
EP		^{US-} 6,281,514 A	08-28-2001	Tavkhelidze	
58		^{US-} 5,068,535 A	11-26-1991	Rabalais	
58		^{US-} 5,604,357 A	02-18-1997	Hori	

Examiner Initials*	Cite No.1	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages	
		Country Code ³ "Number ⁴ "Kind Code ⁵ (if known)	MM-DD-YYYY		Or Relevant Figures Appear	Ľ
20		WO 99/13562 A1	03-18-1999	Tavkhelidze et		
20		WO 99/64642 A	12-16-1999	Tavkhelidze		
23		JP 4080964 A	03-13-1992	Ando		L
						Ļ
						L

Examiner Signature	5 hox	Date Considered	11/9/05

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 'Applicant's unique citation designation number (optional). 'See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. 'Senter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 'For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 'Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. 'Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

PTO/SB/08A (04-03)

Approved for use through 04/30/2003. OMB 0551-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number. Complete if Known Substitute for form 1449/PTO Application Number 09-22-2004 Filing Date INFORMATION DISCLOSURE First Named Inventor Avto TAVKHELIDZE STATEMENT BY APPLICANT Art Unit 2826 (Use as many sheets as necessary) **Examiner Name**

Sheet 2

or 13

Attorney Docket Number

			U. S. PATEN	T DOCUMENTS	
Examiner Initials*	Cite No.1	Document Number Number-Kind Code ^{2 (f known)}	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
EP		^{US-} 4,686,162	08-11-1987	Stangl et al.	
EP		^{US-} 5,023,671	06-11-1991	DiVincenzo et al.	
El		^{US-} 5,119,151 A	06-02-1992	Onda	
59		^{US-} 5,229,320 A	07-20-1993	Ugajin	
ZP		^{US-} 5,233,205 A	08-03-1993	Usagawa et al.	
Ec		^{US-} 5,247,223 A	09-21-1993	Mori et al.	
I.P		^{US-} 5,332,952 A	07-26-1994	Ugajin et al.	
Et		us- 5,371,388 A	12-06-1994	Oda	
Es.		^{US-} 5,432,362 A	07-11-1995	Lippens et al.	
Te		^{US-} 5,521,735 A	05-28-1996	Shimizu et al.	
EP		US- 5,579,232 A	11-26-1996	Tong et al.	
ZP		^{US-} 5,654,557 A	08-05-1997	Taneya et al.	
51		^{US-} 5,719,407 A	02-17-1998	Ugajin	
25		us- 5,722,242 A	03-03-1998	Edelson	
50		US- 5,772,905 A	06-30-1998	Chou	
50		US- 6,117,344 A	09-12-2000	Cox et al.	
30		^{US-} 6,281,514 B1	08-28-2001	Tavkhelidze	
		US-			
	l	US-			

FOREIGN PATENT DOCUMENTS							
Examiner Initials*	Cite No.	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages	Γ	
		Country Code ³ "Number ⁴ "Kind Code ⁵ (if known)	MM-DD-YYYY		Or Relevant Figures Appear	1	
		•				C	
						I	
						I	
						Γ	
						۲	

Examiner Signature	ERUK	Date Considered	11/9/05

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in/conformance and not considered. Include copy of this form with next communication to applicant. Applicant's unique citation designation number (optional). See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

DT15 Rec'd PCT/PTO 2 2 SEP 2004

PTO/SB/08B (04-03)
Approved for use through 04/30/2003. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Substitute for form 1449/PTO				are required to respond to a collection of information unless it contains a valid OMB control number. Complete if Known			
5000				Application Number	10/508914		
INF	ORMATION	DIS	CLOSURE	Filing Date	09-22-2004		
STA	TEMENT E	BY A	PPLICANT	First Named Inventor	Avto TAVKHELIDZE		
	(Use as many she	oto oa m	occessul.	Art Unit	78 26		
	(USB as many sne	G12 G2 II	ocessary)	Examiner Name	Pert		
Sheet	3	of	3	Attorney Docket Number			

	*	NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
29		CHOU et al., Imprint Lithography with 25 Namometer Resolution, SCIENCE, 04-05-96, pp85-87, vol 272.	
		·	
	·		
			·
Examiner	T	5-10 - Pert Date 11/9/00	

Signature	200 1 1el	Considered	11103
*EXAMINER: In	nitial if reference considered, whether or not citation	is in conformance with MPEP 609. Draw line through o	itation if not in conformance and not

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation in not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The Information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 120 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231.